Patent
CIT.Q136

Amendments to the Specification

Please replace paragraph [0012] with the amended paragraph.

[0012] The photonic crystal has a bandgap and d is increased until both acceptor-type modes and donor-type modes are positioned in the bandgap of the waveguide. More particularly, the slab has a bandgap, an air band and a dielectric band for propagation of modes and where the geometric perturbation is created by displacement of holes into [[a]] positions within the array of holes where dielectric is normally present to pull modes from the dielectric band into the bandgap.

Please replace paragraph [0013] with the amended paragraph.

[0013] In another embodiment the geometric perturbation is created by displacement of dielectric into [[a]] positions within the array of holes where air is normally present to pull modes from the air band into the bandgap.